

Inches Driven Recvrd	Sample Number Depth	Depth in Feet bgs. Sample	USCS	Description	Depositional Environment	Environmental Interpretation	Postulated Age
		0	ML	Greenish brown mud with little silt. No odor, very soft.	Inner estuarine / lagoonal channel fill deposits.	Post - 1987 Relatively clean sediments deposited since construction of DWO through inner lagoon depositional processes.	1999
	DC1A-1 1'	1					
			ML	Dark gray layer at 20-22"			
	DC1A-2 2'	2		Olive gray mud with some silt. No odor			
	DC1A-3 3'	3		2" thick dark gray layer at 3' and 3'2"			1987
			ML	Alternating layers of dark gray and olive gray mud with some silt and trace fine sand. Hydrocarbon odor.	Alternating layers of inner estuary channel fill deposits and sludge discharge from refinery. (?)	Upgrades to wastewater treatment system result in alternating layers of inner lagoon channel fill sediments and sludge discharge events.	1976
	DC1A-4 4'	4					
				Hydrocarbon odor.			
	DC1A-5 5'	5	ML	Dark gray silty mud with little fine sand. Strong hydrocarbon odor.	Artificial (sludge) Fill in 250' (400') channel.	Sludge deposited in 250' (400') channel during and after WWII.	1957
				1" thick dark gray fine silty sand layer.			
	DC1A-6 6'	6		Dark gray to black mud with some silt and trace fine sand. Strong hydrocarbon odor.			1940(?)

Drilling Method Vibrocore
Sampling Method Vibrocore
Surface Conditions Silt and Mud
Date Drilled 12-29-98

Total Depth = 6.0 feet bgs.
 NOTE: No shells, trace fossils, or bioturbation observed in core.
 Duplicate samples from 1'-6' sent Sequoia Analytical.

LOG OF BORING - DC-1A

May 1999
 38825-002-086

Chevron, USA
 Castro Cove
 Richmond, California